

WHAT IS CLAIMED IS:

1. A variable shape mirror comprising:

a frame member having an opening; and

a thin film having a first region including a reflecting plane and a second region of higher rigidity than the first region disposed in the outer periphery of the first region, being supported in the opening of the frame member.

2. The variable shape mirror according to claim 1, further comprising:

a substrate bonded to the frame member at a specified interval by way of a spacer; and

wherein a space between a portion of the frame member having the opening and the substrate is not closed.